Device Errata
NL-SW-LTE-S7618RD
NL-SW-LTE-S7648
Skywire® Modems
NimbeLink Corp
Updated: July 2020

© NimbeLink Corp. 2020. All rights reserved.

NimbeLink Corp. provides this document in support of its products for the internal use of its current and prospective customers. The distribution of this document, and the information it contains, does not create any right or license in any party to use the information. Modification or redistribution of this document is prohibited.

Products referenced in this document may be modified or discontinued at any time. All NimbeLink products are sold subject to agreed upon terms and conditions. If no written agreement exists, all NimbeLink products are sold subject to NimbeLink’s then current Terms and Conditions.

While efforts are made to ensure accuracy, typographical and other errors may exist in this document. This document, and the information it contains, is provided without warranty of any kind, including but not limited to implied warranties of merchantability, fitness for a particular purpose and non-infringement.

By accepting this document, you agree to the foregoing, as well as agree that NimbeLink shall have no liability for damages of any kind based on your use of this document, or the information it contains, including but not limited to any direct, indirect, special, or consequential damages.

Skywire and NimbeLink are registered trademarks of NimbeLink Corp. All other trademarks appearing in the document are the property of their respective owners.
# Table of Contents

Table of Contents ........................................ 2
Applies to NimbeLink Part Numbers .............. 3
Applications Affected ................................... 3
How to Identify Affected Devices ................... 3
Workarounds ............................................. 4
Contact .................................................. 4
Version Information .................................... 4
1. Applies to NimbeLink Part Numbers

<table>
<thead>
<tr>
<th>Affected Part Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NL-SW-LTE-S7648</td>
<td>Skywire 4G LTE CAT 1 Modem</td>
</tr>
<tr>
<td>NL-SW-LTE-S7618RD</td>
<td>Skywire 4G LTE CAT 1 Modem</td>
</tr>
</tbody>
</table>

2. Applications Affected

This Errata affects applications using the serial UART interface that do not control DTR, nor pull DTR low on the baseboard. The default state of the +KSLEEP value is set to 0 instead of 1 for the affected date codes below and the UART will stop communication if the DTR pin is left floating.

This does not affect applications using the USB interface.

3. How to Identify Affected Devices

Devices with the following date codes are affected:
- 4519
- 4719
- 4819
- 4919
- 5319
- 0120
- 0920

The date code is the last four digits of the modems serial number located on the modems label.
4. **Workarounds**

Applications using the UART with affected modems can work around this issue in any of the following ways:
- Issue AT+KSLEEP=1 command to the modem over the USB interface to restore the default KSLEEP state.
- Assert the DTR pin low from the host controller.
- Ground the DTR pin with a 1K Ohm pull down resistor or, if the DTR signal is not going to be connected to a host controller, tie DTR directly to ground.

5. **Contact**

For further information please contact NimbeLink Technical Support:
product.support@nimbelink.com.

6. **Version Information**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>GJN</td>
<td>Initial draft</td>
<td>2020/07/01</td>
</tr>
</tbody>
</table>

This document identifies known exceptions to the functional specifications for the Skywire® modem product line and may include notes on conditions impacting performance outside of normal ranges. Conditions documented here may or may not be addressed in future revisions of products or product documentation.

For further information, NimbeLink customers may contact product.support@nimbelink.com.